

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX032618\
 Data File : VX000455.D
 Acq On : 26 Mar 2018 21:19
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

sam
 3/27/2018 5:24:18 PM

Quant Time: Mar 27 07:19:35 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 21 04:52:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	135976	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	223180	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	234501	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	148083	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	88211	49.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.40%	
35) Dibromofluoromethane	5.51	113	71168	50.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.22%	
50) Toluene-d8	8.73	98	285939	49.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.20%	
62) 4-Bromofluorobenzene	11.15	95	110845	45.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	72846	48.61	ug/l	97
3) Chloromethane	1.32	50	65660	41.59	ug/l	96
4) Vinyl Chloride	1.40	62	90403	54.19	ug/l	96
5) Bromomethane	1.64	94	99966	50.05	ug/l	96
6) Chloroethane	1.72	64	60755	59.76	ug/l	97
7) Trichlorofluoromethane	1.93	101	160283	53.23	ug/l	99
8) Diethyl Ether	2.19	74	58337	54.22	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	87990	52.41	ug/l	99
10) Methyl Iodide	2.52	142	58682	36.53	ug/l	99
11) Tert butyl alcohol	3.08	59	151071	247.44	ug/l	100
12) 1,1-Dichloroethene	2.38	96	81858	55.54	ug/l	98
13) Acrolein	2.30	56	44890	231.42	ug/l	97
14) Allyl chloride	2.73	41	146615	56.34	ug/l	99
15) Acrylonitrile	3.16	53	318767	257.78	ug/l	99
16) Acetone	2.45	43	326879	221.38	ug/l	98
17) Carbon Disulfide	2.57	76	226203	57.69	ug/l	99
18) Methyl Acetate	2.78	43	157902	51.01	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	286858	52.63	ug/l	99
20) Methylene Chloride	2.86	84	89678	52.58	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	87844	53.43	ug/l	96
22) Diisopropyl ether	3.88	45	219945	47.74	ug/l	99
23) Vinyl Acetate	3.84	43	1063103	243.40	ug/l	99
24) 1,1-Dichloroethane	3.70	63	155135	53.55	ug/l	99
25) 2-Butanone	4.72	43	388204	233.91	ug/l	98
26) 2,2-Dichloropropane	4.60	77	99235	48.88	ug/l	98
27) cis-1,2-Dichloroethene	4.61	96	78073	50.81	ug/l	98
28) Bromochloromethane	5.04	49	55565	46.52	ug/l	98
29) Tetrahydrofuran	5.18	42	249920	244.75	ug/l	99
30) Chloroform	5.23	83	141608	52.16	ug/l	98
31) Cyclohexane	5.59	56	112704	50.33	ug/l	96
32) 1,1,1-Trichloroethane	5.51	97	125167	51.11	ug/l	99
36) 1,1-Dichloropropene	5.81	75	103967	49.73	ug/l	99
37) Ethyl Acetate	4.87	43	137240	48.06	ug/l	100
38) Carbon Tetrachloride	5.79	117	111016	50.62	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	129649	50.99	ug/l	98
40) Benzene	6.15	78	310560	51.15	ug/l	100
41) Methacrylonitrile	5.07	41	72251	47.99	ug/l	98
42) 1,2-Dichloroethane	6.21	62	121219	50.89	ug/l	100
43) Isopropyl Acetate	6.48	43	218966	51.51	ug/l	99
44) Trichloroethene	7.22	130	84841	48.78	ug/l	97
45) 1,2-Dichloropropane	7.52	63	81429	52.40	ug/l	99
46) Dibromomethane	7.67	93	62639	51.35	ug/l	98
47) Bromodichloromethane	7.91	83	115970	54.04	ug/l	99
48) Methyl methacrylate	7.79	41	107157	51.93	ug/l	98
49) 1,4-Dioxane	7.77	88	41757	962.63	ug/l	98
51) 4-Methyl-2-Pentanone	8.66	43	853300	259.34	ug/l	99
52) Toluene	8.79	92	219049	51.61	ug/l	99
53) t-1,3-Dichloropropene	8.45	75	133050	53.50	ug/l	97
54) cis-1,3-Dichloropropene	9.05	75	133654	55.41	ug/l	98
55) 1,1,2-Trichloroethane	9.23	97	90060	51.60	ug/l	98
56) Ethyl methacrylate	9.19	69	141744	53.59	ug/l	100
57) 1,3-Dichloropropane	9.38	76	151260	54.18	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	310531	244.64	ug/l	97
59) 2-Hexanone	9.51	43	705695	252.60	ug/l	99
60) Dibromochloromethane	9.59	129	97668	47.51	ug/l	100
61) 1,2-Dibromoethane	9.68	107	97692	52.19	ug/l	100
64) Tetrachloroethene	9.34	164	82371	45.27	ug/l	96
65) Chlorobenzene	10.15	112	249170	47.75	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	89860	50.70	ug/l	98
67) Ethyl Benzene	10.26	91	436701	49.36	ug/l	98
68) m/p-Xylenes	10.37	106	351673	101.02	ug/l	97
69) o-Xylene	10.71	106	166132	49.29	ug/l	99
70) Styrene	10.72	104	285224	51.14	ug/l	98
71) Bromoform	10.87	173	77754	42.85	ug/l #	96
73) Isopropylbenzene	11.02	105	459181	46.80	ug/l	100
74) N-amyl acetate	6.48	43	218966	51.29	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	165303	47.63	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	145228m	45.63	ug/l	
77) Bromobenzene	11.26	156	116423	44.54	ug/l	100
78) n-propylbenzene	11.37	91	535899	45.81	ug/l	100
79) 2-Chlorotoluene	11.43	91	310924	46.00	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	404292	49.01	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.09	75	46367	47.17	ug/l	95
82) 4-Chlorotoluene	11.52	91	384395	47.63	ug/l	99
83) tert-Butylbenzene	11.78	119	395231	47.50	ug/l	100
84) 1,2,4-Trimethylbenzene	11.82	105	421231	48.70	ug/l	100
85) sec-Butylbenzene	11.95	105	498479	48.42	ug/l	99
86) p-Isopropyltoluene	12.07	119	459535	50.26	ug/l	99
87) 1,3-Dichlorobenzene	12.04	146	228091	46.15	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	241963	46.63	ug/l	97
89) n-Butylbenzene	12.40	91	425974	50.04	ug/l	99
90) Hexachloroethane	12.60	117	72320	50.25	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	236334	48.78	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.01	75	45457	46.97	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	157828	45.44	ug/l	99
94) Hexachlorobutadiene	13.79	225	67864	47.19	ug/l	99
95) Naphthalene	13.84	128	589986	48.76	ug/l	99
96) 1,2,3-Trichlorobenzene	14.03	180	162819	47.44	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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